

PORTABLE MICRODISPLAY SYSTEM

ABSTRACT OF THE DISCLOSURE

An active matrix color crystal display has an active matrix circuit, a
5 counterelectrode panel and an interposed layer of liquid crystal. The active matrix
display is located in a portable microdisplay system. The image is written to the the
display therein causing the liquid crystal to move to a specific image position. A light
source is flashed to illuminate the display. The pixel electrodes are set to a specific
value to cause the liquid crystal to move towards a desired position. The process of
10 writing, flashing, and setting the electrode intensity value to reorient the liquid crystal to
produce an image is repeated. Portable system can include a digital camera, cellular
telephone, camcorder, heads up display, instant print camera, pager,